

Amendments to the Specification:

Please replace the paragraph that begins on page 20, line 9, with the following paragraph:

Figure 5 illustrates a table useful for explaining the relationship between the fragmentation threshold and the data rate. The left-most column lists divisional factor for four exemplary scenarios, with the maximum fragmentation threshold being 1500 for all the scenarios. The second column lists the data rates for the four exemplary scenarios. And, the right-most column is a time line of the data packet payloads and corresponding acknowledgement packets for the four exemplary scenarios.

Please replace the paragraph that begins on page 20, line 26, with the following paragraph:

In the second scenario, significant RF interference is present in the wireless medium which causes the AP to reduce the fragmentation threshold by increasing the divisional factor from one to two. Thus, the fragmentation threshold is 750 bytes (i.e. the maximum fragmentation threshold of 1500 divided by the divisional factor of 2). The data rate for this scenario is maintained at 11 Mbytes/s. Assuming the size of the payload of the data packet is the same as the fragmentation threshold, then the duration of the payload has been shortened to 68 microseconds. This illustrates that the original data payload having a duration of 136 microseconds was too long that it was prone to adverse effects from the RF interference. By shortening the duration of the payload to 68 microseconds with fragmentation, the data packet is less prone to the RF interference.